

CLAIMS

What is claimed is:

1. An electrical cable comprising:

- 5 a conducting core;
- a layer of insulation surrounding the core;
- a corrugated welded armor surrounding the insulation layer;
- a holding member containing an optic fiber arranged longitudinally along the
- cable; and
- 10 at least one strength member adjacent the holding member providing
- additional protection to the optic fiber.

2. The cable of claim 1 having two strength members adjacent the holding member.

15 3. The cable of claim 1 wherein the strength member is attached to the holding

 member.

4. The cable of claim 1 wherein the strength member is an electrically conductive

 material.

20 5. The cable of claim 4 wherein the electrically conductive material is copper.

6. The cable of claim 3 wherein the strength member is attached to the holding

 member by polyethylene.

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7. The cable of claim 6 wherein the strength member and the holding member are attached by a polyethylene jacket.

8. The cable of claim 7 wherein the polyethylene jacket is semiconducting and is
5 extruded onto the strength member and the holding member.

9. The cable of claim 2 wherein the strength members are on opposite sides of the holding member.

10 10. The cable of claim 1 wherein the diameter of the strength member is greater than the diameter of the holding member.

11. The cable of 1 wherein the holding member is a steel tube.

15 12. An electrical cable comprising:

a conducting core;

a layer of insulation surrounding the core;

a corrugated welded armor surrounding the layer of insulation;

a first holding member arranged longitudinally along the cable between the
20 layer of insulation and the corrugated welded armor; and
at least one strength member adjacent the first holding member.

13. The cable of claim 12, wherein the holding member is oval shaped and forms at least one opening.

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14. The cable of claim 13, wherein the opening is oval shaped.

15. The cable of claim 13 wherein the opening is circular shaped.

5 16. The cable of claim 12, further comprising a second holding member arranged longitudinally along the cable.

17. The cable of claim 16, wherein the second holding member is on the opposite side of the cable from the first holding member.

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18. The cable of claim 16, wherein the second holding member is located between the layer of insulation and the corrugated welded armor.

19. The cable of claim 16, further comprising a third holding member arranged
15 longitudinally along the cable.

20. The cable of claim 19, further comprising a fourth holding member arranged longitudinally along the cable.

20 21. The cable of claim 12, further comprising an outer jacket material, wherein the holding member and strength member are arranged longitudinally along the cable in the jacket material.

22. The cable of claim 12, further comprising stranded neutrals.

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23. An electrical cable, comprising:

a conductive core;

a means for holding an optic fiber;

a means for strengthening the holding means;

5 further comprising:

a layer of insulating tape surrounding the core; and

stranded neutrals placed over the layer of insulating tape, wherein one of the
stranded neutrals is replaced by the means for holding an optic fiber.

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